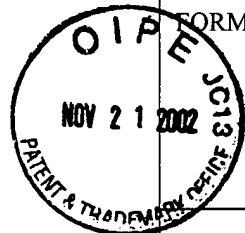


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	APPLICANT M.B. CHANCELLOR et al.	
	FILING DATE April 14, 2000	GROUP ART UNIT 1646 65

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,053,050	10/1/91	Itay	623	16	
	2	5,130,141	7/14/92	Law et al.	424	548	
	3	5,336,263	8/9/94	Ersek et al.	623	11	
	4	5,538,722	7/23/96	Blau et al.	424	93.21	
	5	5,858,351	1/12/99	Podskoff et al.	424	93.2	
	6	5,516,532	5/14/96	Atala et al.	424	548	
	7	5,667,778	9/16/97	Atala	424	93.7	
	8	5,833,978	10/10/98	Tremblay	424	093.7	

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	9	WO 91/07992	6/13/91	PCT	A61K37	02		
	10	WO 94/07999	4/14/94	PCT	C12N11	10		
	11	WO 94/21299	9/29/94	PCT	A61K47	38		
	12	WO 98/36055	20/8/98	PCT				

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

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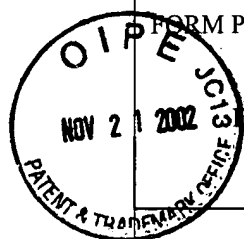
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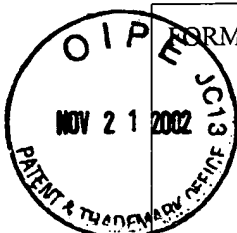
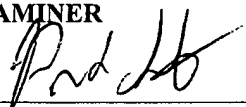
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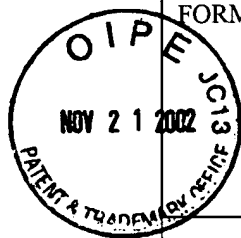
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U.S. PATENT DOCUMENTS								
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	13	5,594,032	14/1/97	Gonzalez-Cadavid et al	514	645	RECEIVED NOV 25 2002 TECH CENTER 1600/2000	
	14	4,965,353	23/10/90	Della Valle et al.	536	55.1		
	15	4,424,208	3/1/84	Wallace et al	424	177		
	16	5,858,390	12/1/99	W.K. Boss, Jr.	424	426		
	17	5,876,447	2/3/99	G.W. Arnett	623	11		
FOREIGN PATENT DOCUMENTS								
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	18	WO 96/18303	20/6/86	PCT				
	19	WO 99/47163	23/9/99	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)								
	20	TA Rando et al., 1994, "Primary mouse myoblast purification, characterization, and transplantation for cell-mediated gene therapy", <i>Journal of Cell Biology</i> , 125:1275-1287.						
	21	Z. Qu et al., 1998, "Development of approaches to improve cell survival in myoblast transfer therapy", <i>Journal of Cell Biology</i> , 142:1257-1267.						
	22	J. Huard et al., 1992, "Human myoblast transplantation: preliminary results of 4 cases", <i>Muscle and Nerve</i> , 15:550-560.						
	23	CS Day et al., 1997, "Myoblast-mediated gene transfer to the joint", <i>Journal of Orthopedic Research</i> , 15:894-903.						
EXAMINER <i>Ra 2rh</i>					DATE CONSIDERED <i>1/16/03</i>			
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FOREIGN PATENT DOCUMENTS							
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		24	WO 98/44142	8/10/98	PCT		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
BL	25	G. Bandara et al., 1993, "Intraarticular expression of biologically active interleukin 1-receptor-antagonist protein by ex vivo gene transfer", Proc. Natl. Acad. Sci. USA, 90:10764-10768.					
	26	G. Acsadi et al., 1994, "A differential efficiency of adenovirus-mediated in vivo gene transfer into skeletal muscle cells of different maturity", Human Molecular Genetics, 3:579-584.					
	27	C. Kasemkijwattana et al., 1998, "Development of approaches to improve the healing following muscle contusion", Cell Transplantation, 7:585-598.					
	28	KP Spindler et al., 1995, "Regional mitotic response of the meniscus to platelet-derived growth factor (PDGF-AB)", Journal of Orthopedic Research, 13:201-207.					
	29	E. Gussoni et al., 1992, "Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation", Nature, 356:435-438.					
	30	G. Karpati et al., 1993, "Myoblast transfer in Duchenne Muscular Dystrophy", Annals of Neurology, 34:8-17.					
	31	J.P. Tremblay et al., 1993, "Results of a triple blind clinical study of myoblast transplantations without immunosuppressive treatment in young boys with Duchenne muscular dystrophy", Cell Transplantation, 2:99-112.					
EXAMINER 				DATE CONSIDERED 1/16/03			
				NOV 25 2002 TECH CENTER 1600/2900			

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		32 WO 98/54301	3/12/98	PCT				

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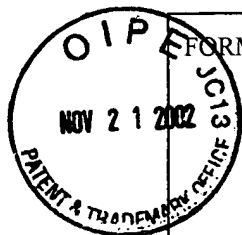
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

	33	J. Huard et al., 1994, "High efficiency of muscle-regeneration after human myoblast clone transplantation in SCID mice", Journal of Clinical Investigation, 93:586-599.
	34	J. Huard et al., 1994, "Human myoblast transplantation in immunodeficient and immunosuppressed mice: evidence of rejection", Muscle and Nerve 17:224-234.
	35	J. Huard et al., 1995, "The route of administration is a major determinant of the transduction efficiency of rat tissues by adenoviral recombinants", Gene Therapy, 2:107-115.
	36	M. Reza Dana et al., "Interleukin-1 Receptor Antagonist Suppresses Langerhans Cell Activity and Promotes Ocular Immune Privilege", Investigative Ophthalmology & Visual Science, 1998, 39:70-77.
	37	G. Ferrari et al., "Muscle Regeneration by Bone Marrow-Derived Myogenic Progenitors", Science, 1998, 279:1528-1530.

EXAMINER

DATE CONSIDERED

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U.S. PATENT DOCUMENTS

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

38	E. Barr and J. Leiden, "Systemic Delivery of Recombinant Proteins by Genetically Modified Myoblasts", <i>Science</i> , 1991, 254:1507-1509.
39	T. Katagiri et al., "Bone Morphogenetic Protein 2 Converts the Differentiation Pathway of C2C12 Myoblasts into the Osteoblast Lineage", <i>J. Cell Biology</i> , 1994, 127:1755-1766.
40	T.A. Rando and H. Blau, "Primary Mouse Myoblast Purification, Characterization, and Transplantation for Cell-mediated Gene Therapy", <i>J. Cell Biology</i> , 1994, 125:1275-1287.
41	T. Yokoyama et al., "Gene Therapy as a Potential Treatment for BPH; Injection of Myoblast-Adenovirus Transfected with Human Inducible Nitric Oxide Synthase (iNOS) into the Proximal Urethra", <i>J. Urology</i> , 1999, 161 (4) Supplement:305 (Abstract 1175).
42	J. Huard et al., "Myoblast Injection into the Bladder Wall: A Possible Method of Modulating Detrusor Contractility and Cell-Mediated Gene Therapy for Bladder Dysfunction", <i>J. Urology</i> , 1998, 159 (5) Supplement:16 (Abstract 62).
43	J. Huard et al., "Nitric Oxide Synthase (NOS) Gene Therapy for Erectile Dysfunction; Comparison Between Plasmid, Adenovirus and Adenovirus Transduced Myoblast Vectors", <i>J. Urology</i> , 1998, 159:90 (Abstract 342).

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DATE CONSIDERED

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

44	K. A. Jackson et al., 1999, "Hematopoietic potential of stem cells isolated from murine skeletal muscle", PNAS, Vol. 96, 25:14482-14486.
45	E. Gussoni et al., 1999, "Dystrophin expression in the mdx mouse restored by stem cell transplantation", Nature, 401:390-394.
46	Z. Qu et al., 1998, "Development of Approaches to Improve Cell Survival in Myoblast Transfer Therapy", The Journal of Cell Biology, Vol. 142, 5:1257-1267.
47	D.S. Musgrave et al., 1998, "Muscle based tissue engineering for the musculoskeletal system", Gene Therapy & Molecular Biology, Vol. 3:1-15.
48	N. Yoshida et al., 1998, "Cell heterogeneity upon myogenic differentiation: down-regulation of MyoD and Myf-5 generates 'reserve cells'", Journal of Cell Science, 111:769-779.
49	J.R. Beauchamp et al., 1999, "Dynamics of Myoblast Transplantation Reveal a Discrete Minority of Precursors with Stem Cell-like Properties as the Myogenic Source", The Journal of Cell Biology, Vol. 144, 6:1113-1121.

EXAMINER

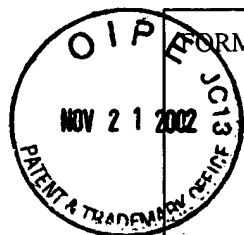
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
	50	P. Seale et al., 2000, "A New Look at the Origin, Function, and 'Stem Cell' Status of Muscle Satellite Cells", Developmental Biology, 218: 115-124.					
	51	J.G. Gross et al., 1999, "Muscle Precursor Cells Injected Into Irradiated mdx Mouse Muscle persist After Serial Injury", Muscle & Nerve, 22:174-185.					
	52	T.D. Alden et al., 1999, "In Vivo Endochondral Bone Formation Using a Bone Morphogenetic Protein 2 Adenoviral Vector", Human Gene Therapy, 10:2245-2253.					
	53	A. Baroffio et al., 1996, "Identification of self-renewing myoblasts in the progeny of single human muscle satellite cells", Differentiation, 60:47-57.					
	54	Abstract: V. Nurcombe et al., 1985, "Motoneuron Survival and Neuritic Outgrowth Promoted by Different Cell Types in Embryonic Muscle", Developmental Brain Research, 21:49-60.					
	55	C. Richler et al., 1970, "The in Vitro Cultivation and Differentiation Capacities of Myogenic Cell Lines", Developmental Biology, 23:1-22.					
EXAMINER <i>R-2 H</i>				DATE CONSIDERED <i>1/10/03</i>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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